

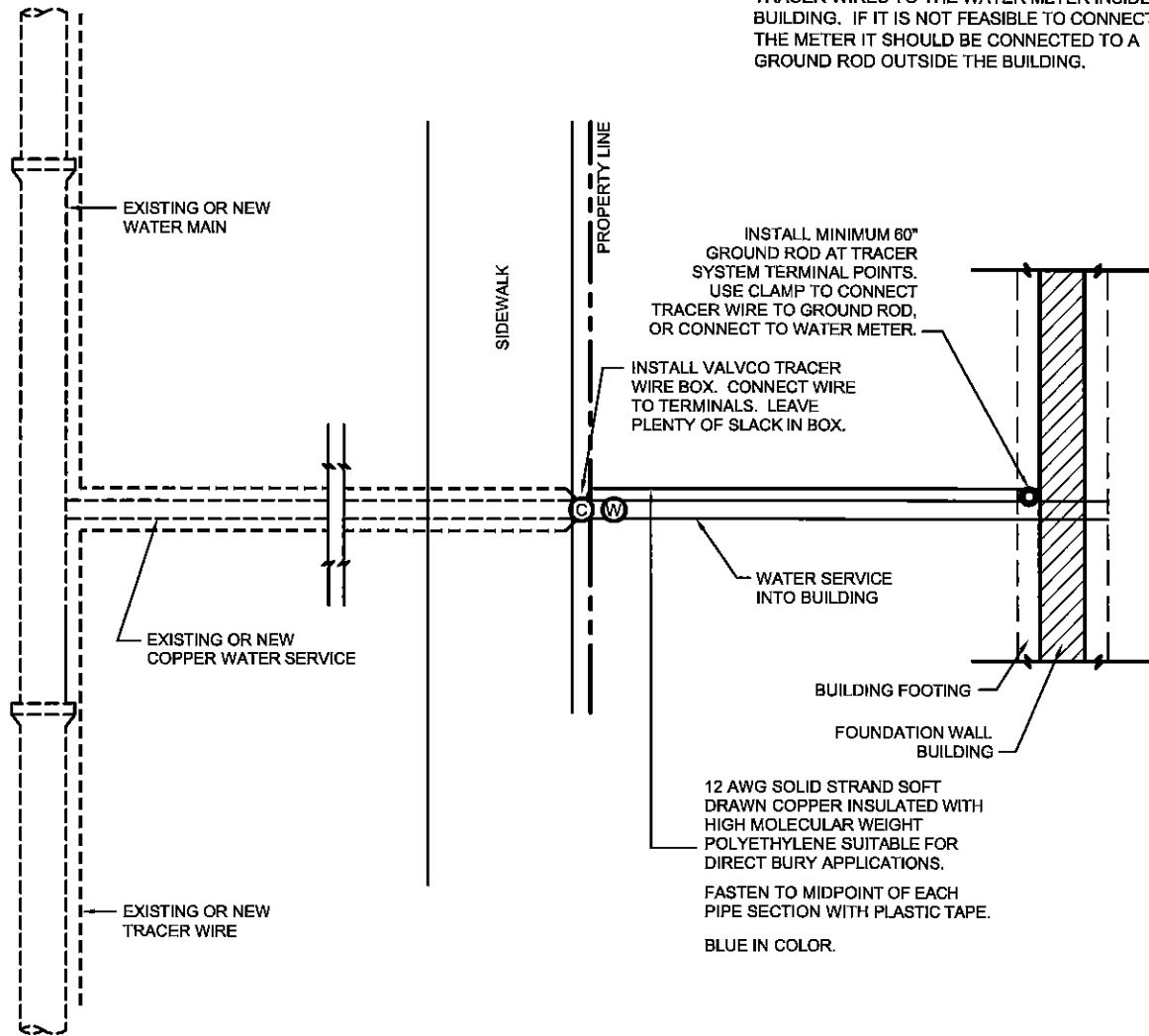
UTILITY CONTRACTOR INSTALLING THE SANITARY SERVICE IN THE RIGHT-OF-WAY IS REQUIRED TO INSTALL THE 1-1/2" CONDUIT WITH CAP ON TOP OF THE PIPE. THE CONDUIT SHALL HAVE (1) PIECE OF 5/8" x 18" REBAR ATTACHED TO THE TOP OF THE PIPE WITH ZIP STRIPS FOR FUTURE LOCATING AND INSTALL TRACER WIRES IN THE CONDUIT.

UTILITY CONTRACTOR INSTALLING THE SANITARY SERVICE TO THE BUILDING SHALL REMOVE THE CAP OF THE 1-1/2" CONDUIT AND PLACE A VALVCO TRACER WIRE BOX ON TOP OF THE 1-1/2" CONDUIT AND CONNECT THE WIRES TO VALVCO TRACER WIRE BOX. FROM THE TRACER WIRE BOX, INSTALL TRACER WIRE DOWN THE 1-1/2" CONDUIT AND ALONG THE SANITARY SERVICE TO THE BUILDING.

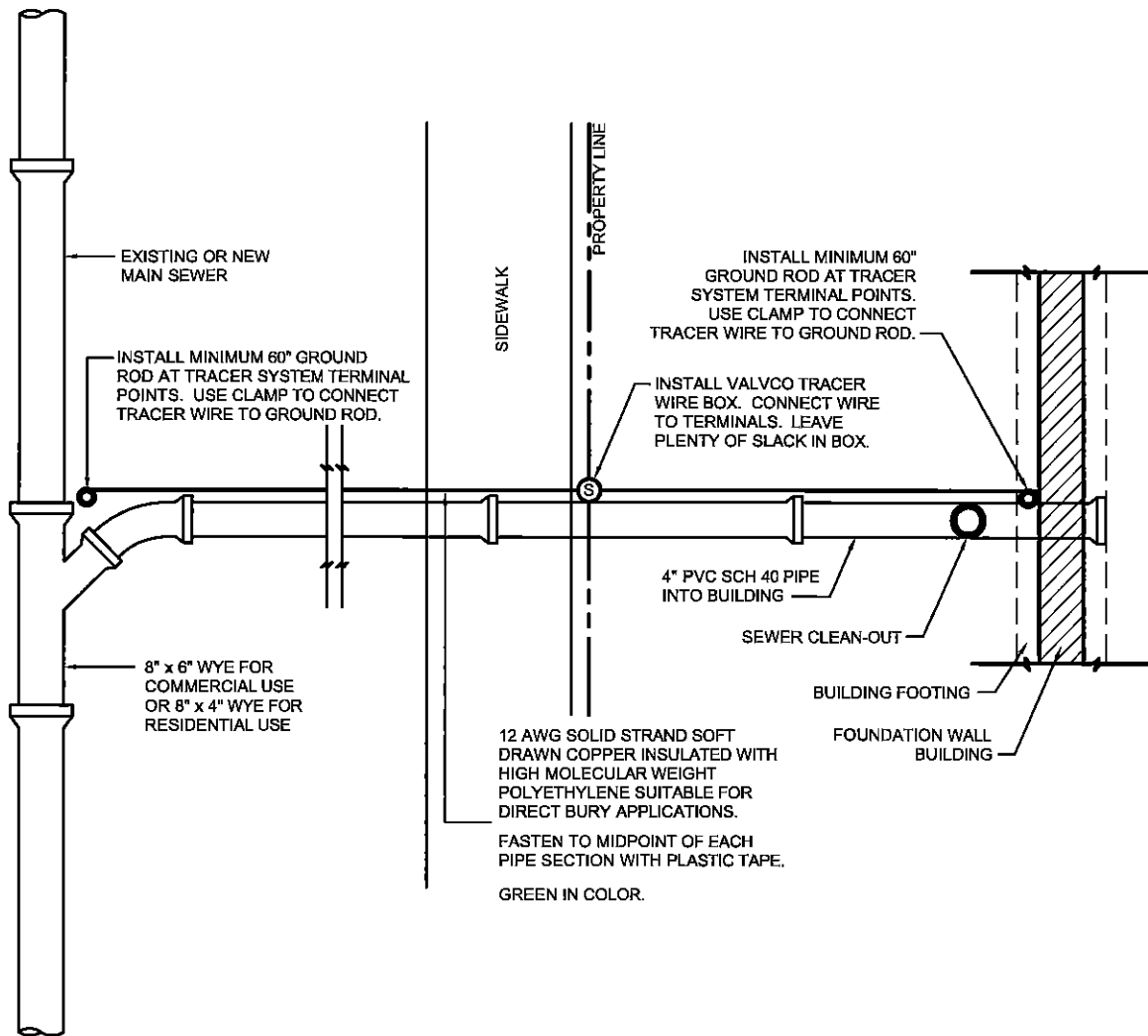
UTILITY CONTRACTOR INSTALLING THE WATER SERVICE FROM THE CURB STOP TO THE HOUSE IS REQUIRED TO INSTALL THE 1-1/2" CONDUIT WITH VALVCO TRACER WIRE BOX INSTALLED ON TOP OF THE 1-1/2" CONDUIT.

UTILITY CONTRACTOR INSTALLING THE WATER SERVICE TO THE BUILDING SHALL CONNECT THE TRACER WIRES TO THE WATER METER INSIDE THE BUILDING. IF IT IS NOT FEASIBLE TO CONNECT TO THE METER IT SHOULD BE CONNECTED TO A GROUND ROD OUTSIDE THE BUILDING.

UTILITY CONTRACTOR INSTALLING THE WATER SERVICE TO THE BUILDING SHALL CONNECT THE TRACER WIRES TO THE WATER METER INSIDE THE BUILDING. IF IT IS NOT FEASIBLE TO CONNECT TO THE METER IT SHOULD BE CONNECTED TO A GROUND ROD OUTSIDE THE BUILDING.



12 AWG SOLID STRAND SOFT DRAWN COPPER INSULATED WITH HIGH MOLECULAR WEIGHT POLYETHYLENE SUITABLE FOR DIRECT BURY APPLICATIONS.
FASTEN TO MIDPOINT OF EACH PIPE SECTION WITH PLASTIC TAPE.
BLUE IN COLOR.



COLOR CODE WIRES WITH PURPLE TAPE TO IDENTIFY NORTH (1 STRIP) OR WEST (2 STRIPS) STRUCTURES AND GRAY TAPE TO IDENTIFY SOUTH (1 STRIP) OR EAST (2 STRIPS) STRUCTURES, AS REQ'D.

4"X4"X6' LONG PRESSURE TREATED WOODEN POST (SEE NOTES)

CONDULET TYPE (MIN. 4 TERMINAL) ACCESS BOX

MIN. 1" RIGID GALV. STEEL CONDUIT, MIN. 4' LONG

TWO-HOLE CONDUIT STRAP W/ WOOD SCREWS, TYP.

INSULATED STRANDED TRACER WIRE TAPED TO TOP OF PIPE, TYP. 10' O.C. MAX., DO NOT CONNECT TO FITTINGS

CONDUIT BUSHING

PIPE MARKER POST

TRACER WIRE ACCESS BOXES AS SPECIFIED

RIGHT-OF-WAY LINE

MIN. 3'-0" DEPTH

TRACER WIRES AS SPECIFIED

TO FORCE MAIN

ELEVATION

NOTES:

1. INSTALL MIN. 4 TERMINAL TRACER WIRE ACCESS BOX WHERE NO TEST STATIONS AVAILABLE FOR TERMINATION, SO AS TO ALLOW NO TRACER WIRE SPAN LENGTHS LONGER THAN SPECIFIED. INSTALL PIPE MARKING SIGNS NEXT TO BOXES AS SPECIFIED.
2. TERMINATE TRACER WIRE AT TEST STATIONS OR TRACER WIRE ACCESS BOXES LOCATED AT SPECIFIED DISTANCES, STRUCTURES AND END OF EACH PIPE RUN. TEST TRACER WIRE ELECTRICAL CONTINUITY AS SPECIFIED IN SPECIFICATIONS.
3. LOCATE TRACER WIRE ACCESS BOXES OR TEST STATIONS AND MARKER POST IN PROTECTED LOCATIONS NEAR THE R.O.W. FENCELINE UNLESS OFFSET REQUIRED BY SPECS. OR FIELD CONDITIONS (IN ROAD, FIELD, ETC.). OFFSET TO APPURTENANCES, R.O.W. FENCELINE OR EDGE OF ROADWAY, IF NO PROTECTED LOCATION AVAILABLE OVER PIPELINE. COORDINATE LOCATIONS WITH ENGINEER.

City of
HARRISBURG
South Dakota

TRACER WIRE SYSTEM DETAIL W/
POST MOUNTED TERMINAL BOX